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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Dehesh *et al.*

Appln. No.: 09/591,279

Filed: June 9, 2000

For: Engineering  $\beta$ -Ketoacyl ACP  
Synthase For Novel Substrate  
Specificity



Art Unit: 1652

Examiner: D. Steadman

Atty. Docket: 16516.117

**Response to Restriction Requirement**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action mailed August 28, 2001 (Paper No. 5), Applicants submit the following remarks.

***Remarks***

The application presently contains claims 1-16. In the Office Action mailed August 28, 2001, the Examiner required restriction to one of the following inventions under 35 U.S.C. § 121:

Group I: Claims 1-3, drawn to a method for obtaining an engineered  $\beta$ -Ketoacyl-ACP Synthase (KAS) having an altered substrate specificity, classified in class 535, subclass 440;

Group II: Claim 4-12, drawn to an amino acid sequence of a KAS, classified in class 435, subclass 193;

Group III: Claims 13-15, drawn to a nucleic acid construct comprising a polynucleotide encoding a KAS, classified in class 435, subclass 320.1; and